

CLAIMS

What is claimed is:

1. A heat exchanger comprising:

a heat exchange core;

an introduction tank attached to said heat exchange core for introducing a heat transfer medium into said heat exchange core; and

a discharge tank attached to said heat exchange core for receiving said heat transfer medium discharged from said heat exchange core,

wherein materials used to form said introduction tank and said discharge tank are different from each other.
2. The heat exchanger of claim 1, wherein said introduction tank and said discharge tank are attached to said heat exchange core at ends of said heat exchange core opposite to each other.
3. The heat exchanger of claim 1, wherein a heat conductivity of the material used to form said introduction tank is greater than a heat conductivity of the material used to form said discharge tank.
4. The heat exchanger of claim 1, wherein a specific gravity of the material used to form said discharge tank is greater than a specific gravity of the material used to form said introduction tank.
5. The heat exchanger of claim 1, wherein at least one of said introduction tank and said discharge tank is made of a resin.
6. The heat exchanger of claim 5, wherein said resin is a polyamide.
7. The heat exchanger of claim 6, wherein said polyamide is an aliphatic polyamide.
8. The heat exchanger of claim 5, wherein said resin further comprises an inorganic material.

9. The heat exchanger of claim 8, wherein said inorganic material is a glass fiber.
10. The heat exchanger of claim 1, wherein said heat exchange core comprises a plurality of heat transfer tubes and fins, which are are stacked alternately.
11. The heat exchanger of claim 1, wherein said heat exchanger is an intercooler, and said heat transfer medium is charged gas from a turbo-charger or a supercharger.